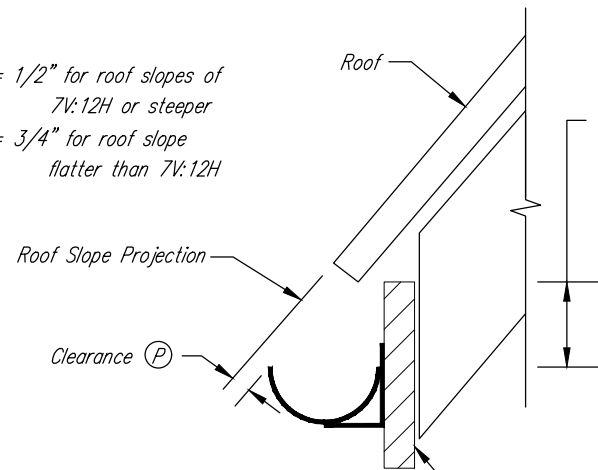


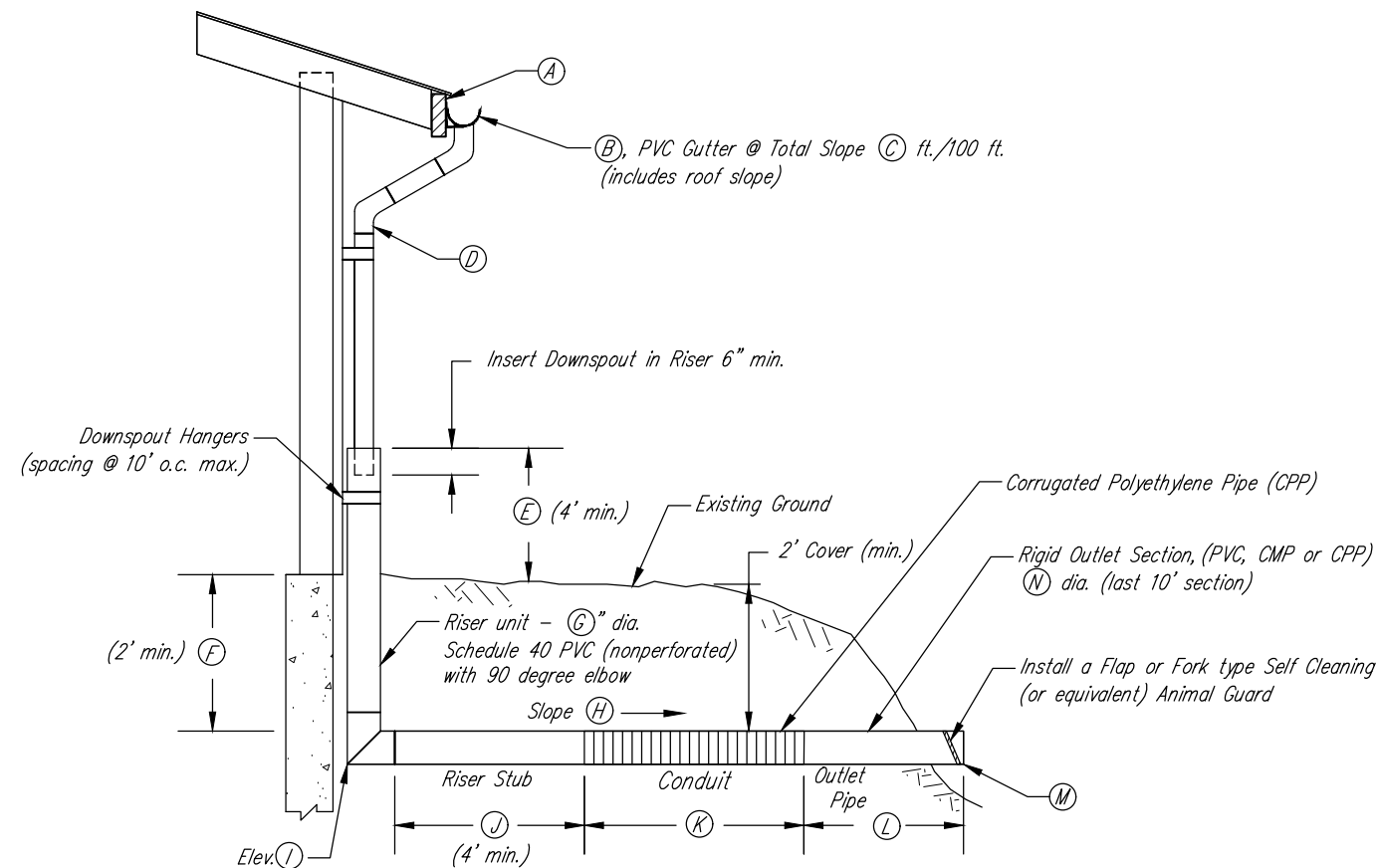
Note:
Clearance = 1/2" for roof slopes of 7V:12H or steeper
Clearance = 3/4" for roof slope flatter than 7V:12H



CLEARANCE DETAIL

Minimum distance from roof to top of gutter is 1", maximum distance is 5". Maximum allowed drop along gutter length is 4".

Fascia board material to be spruce, pine, fir or better. Cover non-pressure treated boards with aluminum flashing or exterior paint prior to installation of roof gutter.



GUTTER AND DOWNSPOUT LAYOUT

Roof Gutter and Downspout Schedule																	
Roof Number	Fascia Board (A) X" x X"	Gutter Size (B) (in)	Gutter Length (ft)	Total Slope ft./100 ft. (C)	Downspout (Number)	Downspout Size (D) X" x X" or Diameter (in)	Riser Length Above Ground (E) (ft)	Riser Length Below Ground (F) (ft)	Riser Unit Dia. (G) (in)	Outlet Pipe Slope (H) (%)	Outlet Pipe Elbow Elev. (I) (ft)	Riser Stub Length (J) (ft)	Conduit Length (K) (ft)	Outlet Pipe Length (L) (ft)	Outlet Invert Elev. (M) (ft)	Outlet Section Dia. (N) (in)	Clearance (P) (in)
#1																	
#2																	
#3																	
#4																	
#5																	

I certify the gutter and downspout type, size, gauge, roof gutter slope and mounting method are as shown on the plans and specifications.

Contractor Signature _____ Date _____

License Number _____ Exp. Date _____

NRCS is accepting the construction of this gutter and downspout system on the basis that they have been certified by a licensed builder as being installed as shown on the plans and specifications. Any deficiencies in the construction is the responsibility of the licensed builder whose signature appears on the construction drawings.

NRCS Representative _____ Date _____

Not to Scale

MICHIGAN ENGINEERING STANDARD DRAWING	
FILE NAME MI-015-B 3-18	
STANDARD DWG. NO. MI-015-B	
DATE 3-18	SHEET 1 OF 2

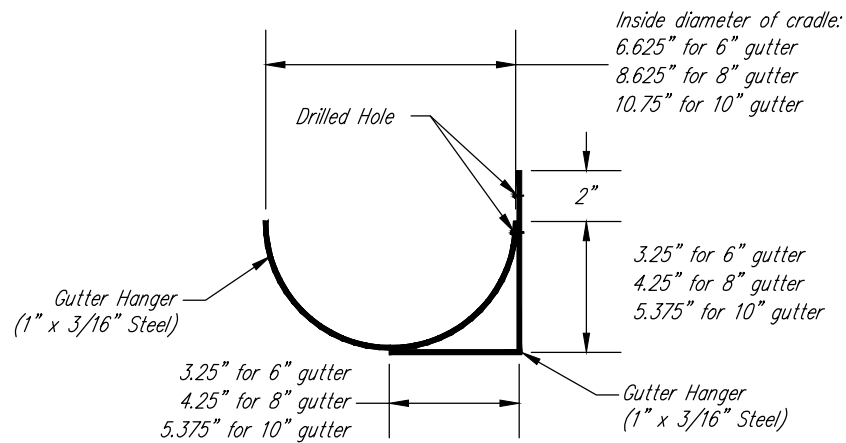
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Designed	_____
Drawn	_____
Checked	_____
Approved	_____

PVC Roof Gutter and Downspout Detail Underground Outlet

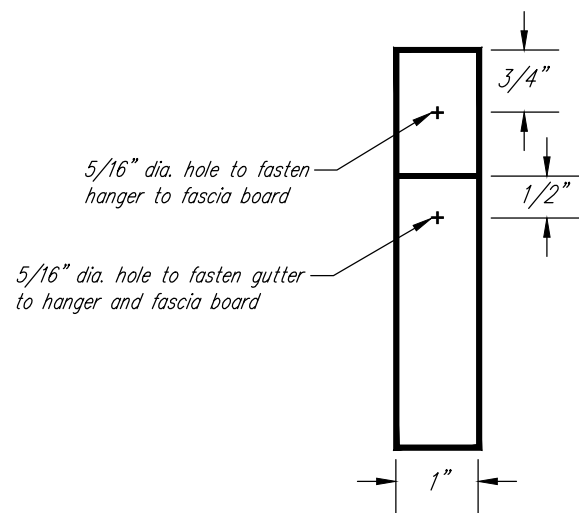
Co., Michigan
Township, T. -R., Sec.



File Name	_____
Drawing Name	_____
Sheet	_____ of _____



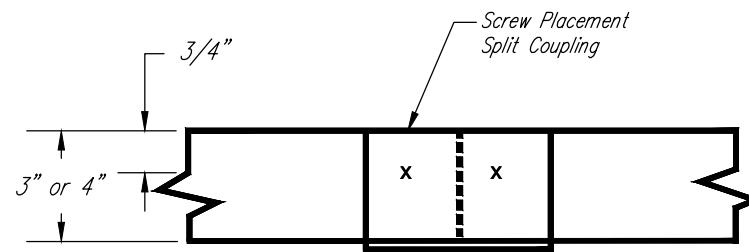
SIDE VIEW
PVC GUTTER HANGER



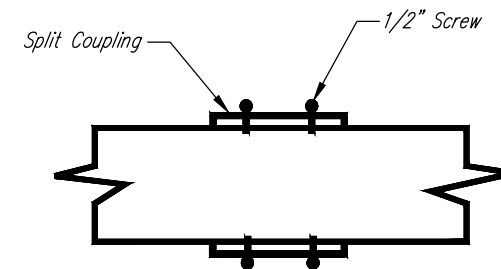
FRONT VIEW
PVC GUTTER HANGER

HANGER NOTES:

- Gutter hangers must be as shown or equivalent as approved by NRCS.
- Gutter hangers must be made of 1" x 3/16" steel.
- Hanger spacing will be no greater than 32".
- Hangers will be backed with fascia boards with a minimum nominal thickness of 2 inches.
- Hangers will be fastened to the fascia board by a minimum 1/4" dia. bolts (galvanized) or lag screws 1/4" x 1 1/2".
- Fascia boards must be securely fastened to rafters and will be replaced or repaired as necessary.
- Hangers will have a minimum of one coat of paint.



FRONT VIEW
PVC GUTTER



TOP VIEW
PVC PIPE GUTTER

PVC GUTTER NOTES:

- Gutter must be split 6", 8", or 10" schedule 40 PVC pipe.
- Use split schedule 40 coupling to connect gutter lengths. Each coupling must be glued and screwed. Screws will be self tapping with an approximate length of 1/2 inch. Use 4 screws per coupling.
- Gutter ends must be split schedule 40 caps or similar. Ends will be fastened with glue and screwed with 2 self tapping screws as described above.
- Use schedule 40 tees for downspout outlets. Each outlet will be glued and have a minimum of 4 screws to fasten outlet to the roof gutter.
- Attach the gutter to the hangers using 1/4" dia. bolts. One bolt will be used at each hanger.

Not to Scale

MICHIGAN ENGINEERING STANDARD DRAWING	
FILE NAME	MI-015-B 3-18
STANDARD DWG. NO.	MI-015-B
DATE	3-18
SHEET	2 OF 2

Date	
Designed	
Drawn	
Checked	
Approved	

PVC Roof Gutter and Downspout Detail Underground Outlet

Co., Michigan
 Township, T. -R., Sec.



File Name	
Drawing Name	
Sheet	of